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United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND

MOTION PICTURES*

JANUARY 1947

READ CAREFULLY: Any five of the nontechnical publications listed, unless marked for sale only, may be obtained free as long as the supply lasts. Free distribution of technical material is restricted.

Publications cannot be sent free if more than five are wanted or if request comes from a foreign correspondent. This also applies to persons not qualifying for technical material. In such cases, requests accompanied by remittances should be addressed: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should add one-third of the cost of publications to defray postage charges.

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AGRICULTURAL INFORMATION SERIES

Revised feed formulas for chickens. Harry W. Titus, John C. Hammond, and Donald Whitson. Bureau of Animal Industry. 8 p. (IS-57.) Price 5¢.

Many feeds formerly used are now scarce, unavailable, or too costly to feed to chickens. This publication deals with new knowledge of old materials that are still abundant and with new materials to replace scarce feeds.

CIRCULARS

Blue mold decay of Delicious apples in relation to handling practices. Harley English, A. Lloyd Ryall, and Edwin Smith. Bureau of Plant Industry, Soils, and Agricultural Engineering. 20 p., illus. (C751.) Price 10¢.

The importance of decay and contributing factors are discussed in this new circular.

LEAFLETS

How to control fleas. F. C. Bishopp. Bureau of Entomology and Plant Quarantine. 4 p., illus. (L152, rev.) Price 5¢.

This leaflet has been revised to include the use of DDT in the control of this household pest.

Palpating domestic rabbits to determine pregnancy. Allen E. Suiter. Bureau of Animal Industry. 4 p., illus. (L245.) Price 5¢.

The palpating method described in this leaflet will be of interest to rabbit breeders.

MISCELLANEOUS PUBLICATIONS

The National Poultry Improvement Plan. Bureau of Animal Industry in cooperation with poultry leaders, poultry breeders, and members of the breeder and commercial hatchery industry. 28 p. (M300, rev.) Price 10¢.

Describes the objectives and operation of the program for the improvement of poultry.

Farm and home financial planning. Z. L. Galloway and Mary Rokahr. Extension Service. 14 p., illus. (M599.) Price 10¢. Free distribution restricted.

Effective financial management requires careful thought and attention by the family. The why's and how's of financial planning are outlined.

Rice production and marketing in the United States. G. A. Collier. Production and Marketing Administration. 32 p., illus. (M615.) Price 10¢.

Title is self-explanatory.

* Compiled by Eleanor W. Clay, Office of Information.

Nutritive value of the per capita food supply, 1909-45. Faith Clark, Berta Friend, and Marguerite C. Burk. Bureau of Human Nutrition and Home Economics and Bureau of Agricultural Economics. 36 p., illus. (M616.) Price 20¢. **Free distribution restricted.**

The nutritive values of the United States food supply for the period 1909-45 are presented. The primary purpose of the present study is to measure trends in the quality of our national food supply.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. November 1946. Pp. 67-77. (S. R. A.-B. A. I. 475.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

Texas, Fannin County. (Series 1938, No. 10.) 110 p., illus. Price 60¢.

TECHNICAL BULLETINS

Fiber and spinning properties of cotton, with special reference to varietal and environmental effects. H. D. Barker and E. E. Berkley. Bureau of Plant Industry, Soils, and Agricultural Engineering. 36 p., illus. (T931.) Price 10¢.

The results of these studies on fiber properties and spinning performances of leading cotton varieties will be of interest to breeders, growers, and spinners.

OTHER PUBLICATIONS

Index-catalogue of medical and veterinary zoology:

Part 8. Authors: K to Kyzer. Price 55¢. **Free distribution restricted.**

Part 9. Authors: L to Lyutkevich. Price 70¢. **Free distribution restricted.**

Report of the Administrator of the Production and Marketing Administration, 1946. Robert H. Shields. Price 20¢. **For sale only.**¹

Report of the Administrator of the Rural Electrification Administration, 1946. Claude R. Wickard. Price 5¢. **For sale only.**¹

Report of the Chief of the Bureau of Agricultural and Industrial Chemistry, Agricultural Research Administration, 1946. Louis B. Howard. Price 10¢. **For sale only.**¹

Report of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1946. B. T. Simms. Price 10¢.

Report of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1946. Robert M. Salter. Price 15¢. **For sale only.**¹

Report of the Chief of the Forest Service, 1946. Lyle F. Watts. Price 15¢. **For sale only.**¹

Report of the Chief of the Office of Experiment Stations, Agricultural Research Administration, 1946. James T. Jardine. Price 5¢. **For sale only.**¹

Report of the Chief of the Soil Conservation Service, 1946. H. H. Bennett. Price 15¢. **For sale only.**¹

Report of Cooperative Extension Work in Agriculture and Home Economics, 1946. M. L. Wilson. Price 10¢. **For sale only.**¹

Report of the Manager of the Federal Crop Insurance Corporation, 1946. G. F. Geissler. Price 10¢. **For sale only.**¹

Report of the Secretary of Agriculture, 1946. Clinton P. Anderson. Price 30¢. **Free distribution restricted.**

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

PERIODICALS

A sample copy of a previous issue only will be sent for examination

The agricultural situation. Vol. 31, No. 1. January 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 5, No. 10. October 1946. Vol. 5, No. 11. November 1946. Price of a single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Agriculture in the Americas. Vol. VII, No. 1. January 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 9, No. 6. December 1946. Vol. 10, No. 1. January 1947. Price 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.¹

Consumers' guide. Index to Vol. X. December 1943–December 1944. Price 10¢. Vol. XIII, No. 1. January 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Extension service review. Vol. 18, No. 1. January 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Fire control notes. Quarterly. Vol. 8, No. 1. January 1947. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. 11, No. 1. January 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol 73, Nos. 11 and 12. December 1 and 15, 1946. Illus.

Contents:

Genetics of pathogenicity in *Melampsora lini* (Key No. G-1366). H. H. Flor.

The nutritive value of cottonseed meal, soybean meal, and peanut meal when used separately and together to supplement the protein of prairie hay in experiments with lambs (Key No. Okla.-35). H. M. Briggs, V. G. Heller, A. E. Darlow, Willis D. Gallup, and J. A. Hoefer.

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Publication No.	Series	Title

Vol. 74, No. 1. January 1, 1947. Illus. Contents:

Effects of skips, or missing row segments, on yield of seed cotton in field experiments (Key No. G-1352). O. A. Pope.

Photoperiodic behavior of Maryland Mammoth tobacco under localization treatments and grafts with Connecticut Broadleaf (Key No. G-1358). H. A. Allard.

Vol. 74, No. 2. January 15, 1947. Illus. Contents:

Seasonal changes in total and soluble oxalates in leaf blades and petioles of rhubarb (Key No. G-1364). Alfred T. Myers.

Stamen morphology in flowers of the muskmelon (Key No. Mich.-49). D. M. McLean.

Variations in the chemical composition and insecticidal properties of the yam bean (*Pachyrrhizus*) (Key No. N. Y. (Cornell-58)). Roy Hansberry, Robert T. Clausen, and L. B. Norton.

News for farmer cooperatives. Vol. 13, No. 10. January 1947.

Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 12, No. 5. January 1947. Price

10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Soil conservation. Vol. XII, No. 6. January 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

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BANKING ON THE LAND. 2 reels, 16 mm., sound, in color.

Released 1947. Running time, 20 minutes. Tells the story of the development of the cooperative farm mortgage credit system. Ned Harper, a charter member of a local national farm loan association, traces the development of the system to date and the service it has rendered and is now giving farmers. (Available for loan only from Farm Credit Administration regional offices in Springfield, Mass.; Baltimore, Md.; Columbia, S. C.; Louisville, Ky.; St. Louis, Mo.; St. Paul, Minn.; Omaha, Nebr.; Wichita, Kans.; Berkeley, Calif.; and Spokane, Wash.)

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BULLETIN OF THE MONTH

**"Summer Crops for Green Manure and Soil Improvement."
Farmers' Bulletin 1750.**

This revised bulletin describes generally how to use summer crops for green manure and soil improvement and specifically how the various legumes and nonlegumes are used.

CIRCULARS

The farm real estate situation, 1945-46. M. M. Regan and A. R. Johnson. Bureau of Agricultural Economics. 45 p., illus. (C 754). Price 15¢.

This circular shows the farm real estate situation for the 12-month period ending about March 1, 1946 for farm land, together with buildings and other permanent improvements.

FARMERS' BULLETINS

Summer crops for green manure and soil improvement. Roland McKee. Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p., illus. (F 1750, rev.) Price 10¢. *See above.*

LEAFLETS

Crested wheatgrass. H. L. Westover and George A. Rogler. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (L 104, rev.) Price 5¢.

Crested wheatgrass is especially well adapted to the northern Great Plains, where the temperatures are severe and the moisture supply is limited, and westward to the Sierra Nevada. In this general region it has proved particularly valuable for regrassing abandoned crop lands.

MISCELLANEOUS PUBLICATIONS

The National Turkey Improvement Plan. Bureau of Animal Industry, in cooperation with representatives of the official State agencies, the National Turkey Federation, and turkey breeders and hatcheries. 24 p., illus. (M 555, rev.) Price 10¢.

The primary objectives of the National Turkey Improvement Plan are to improve the production and market quality of turkeys and to reduce losses from

*Compiled by Eleanor W. Clay, Office of Information.

disease. This revised publication gives the regulations under which the plan operates.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. December 1946. Pp. 79-86. (S.R.A.-B.A.I. 476.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Root ecology of guayule. Cornelius H. Muller. Bureau of Plant Industry, Soils, and Agricultural Engineering. 114 p., illus. (T 923). Price 25¢.

The principal purpose of this study was to furnish agronomists with information on root development of guayule.

Passage of liquids, vapors, and dissolved materials through softwoods. Alfred J. Stamm. Forest Service. 80 p., illus. (T 929). Price 25¢.

The fundamentals of the movement of liquids, vapors, and dissolved materials through softwoods are analyzed.

Marketing margins and costs for livestock and meat. Knute Bjorka. Bureau of Agricultural Economics. 102 p. (T 932). Price 25¢.

The primary purpose of this bulletin is to bring together and coordinate the available data bearing on the problem of margins and costs of marketing and processing livestock and meat. The base period for the study is 1939, the last year representing "normal" peacetime conditions.

OTHER PUBLICATIONS

Agricultural statistics, 1946. 739 p. Price (paper) \$1.25.

Agricultural statistics is an annual volume which brings together in one book the more important series of statistics compiled in the Department of Agriculture or in other departments whose work has some bearing on the subject of agriculture.

Products of American forests. J. Alfred Hall and T. J. Mosley. Forest Service. 50 p., illus. Price 20¢. **Free distribution restricted.**

The part that scientific research has to perform in maintaining and increasing the utility value of forest products and some of its accomplishments in that direction are pointed out. This is a revision of a previous publication under the same title.

Report of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1946. P. N. Annand. Price 15¢. For sale only.¹

This is the annual report of the above bureau for the fiscal year 1945-1946.

The white pine blister rust disease. Bureau of Entomology and Plant Quarantine. Folder, rev., [4] p., illus.

This revised publication presents questions and answers on causes of white pine blister rust disease and its control.

PERIODICALS

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Agriculture in the Americas. Index to Vol. VI, 1946. Office of Foreign Agricultural Relations.

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Agriculture in the Americas. Vol. II, No. 2. February 1947.

Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 10, No. 2. February 1947.

Price 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.¹

Consumers' guide. Vol. XIII, No. 2. February 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Experiment station record. Vol. 95, No. 5; November 1946. Vol. 95, No. 6; December 1946. Subscription per volume (2 volumes a year), consisting of 6 monthly numbers and index, \$1.25, single numbers, 20¢ a copy. Foreign subscription per volume, \$2.00 a year.¹

Extension service review. Vol. 18, No. 2. February 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. 11, No. 2. February 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

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———Vol. 74, No. 3. February 1, 1947. Illus. Contents:

Progeny tests of asparagus plants (Key No. Minn.-126). T. M. Currence.

The quantitative estimation of hemicelluloses by direct isolation (Key No. E-100). H. D. Weihe and Max Phillips.

Some chemical treatments and their influence on damping-off, weed control, and winter injury of red pine seedlings (Key No. Wis.-159). A. J. Riker, R. H. Gruenhagen, L. F. Roth, and W. H. Brenner.

Some physiological characteristics of four varieties of spring wheat presumably differing in drought resistance (Key No. G-1357). Arthur T. Bartel.

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—Vol. 74, No. 4. February 15, 1947. Illus. Contents:

The response of hybrid poplar and other forest tree species of fertilizer and lime treatment in concrete soil frames (Key No. Conn. (New Haven)-8). Herbert A. Lunt.

The effect of source of little bluestem grass seed on growth, adaptation, and use in revegetation seedings (Key No. S-5). Donald R. Cornelius.

News for farmer cooperatives. Vol. 13, No. 11. February 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 12, No. 6. February 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Soil conservation. Vol. XII, No. 7. February 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

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MEN WHO GROW COTTON. 16 mm., color, sound, running time 20 minutes. Released 1947.

Agricultural Extension Services of cotton States and the Department of Agriculture financed this film to encourage discussion of cotton and the future. The picture includes the gaiety of the cotton carnival, cotton's contribution to the national economy, ups and downs of life in the cotton belt, higher yields achieved, one-variety communities, the battle against insects, flame cultivators and mechanical pickers, southern industrial expansion, new uses for cotton and the importance of cotton to people everywhere. In addition to farm groups in the cotton belt, the picture is suggested for schools, civic clubs and other groups in any part of the country.

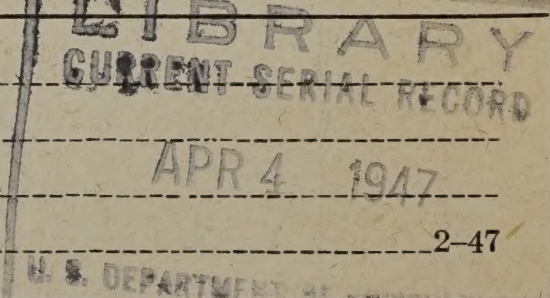
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BULLETIN OF THE MONTH

"When Drought Returns to the Great Plains" Farmers' Bulletin 1982

It is because of the threat of another Dust Bowl that this bulletin is written. It tells about some of the things that farmers and ranchers are doing to prevent another Dust Bowl and take some of the hazards out of Plains farming.

AGRICULTURAL INFORMATION SERIES

Want a farm job? Extension Service and U. S. Office of Education cooperating. Folder, illus. (IS 60).

Gives information for boys and girls who are interested in joining the 1947 farm work program.

FARMERS' BULLETINS

Dairy cattle breeds. Amer B. Nystrom. Bureau of Dairy Industry. 31 p., illus. (F 1443, rev.). Price 15¢.

Characteristics and history of the origin and development of the recognized dairy breeds in the United States are discussed in this revised bulletin.

When drought returns to the Great Plains. Tom Dale. Soil Conservation Service. 14 p., illus. (F 1982). Price 5¢. *See above.*

*Compiled by Eleanor W. Clay, Office of Information.

MISCELLANEOUS PUBLICATIONS

Exhibit pictures from the four regional research laboratories. Bureau of Agricultural and Industrial Chemistry. 54 p., illus. (M 617). Price 25¢. **Free distribution restricted.**

Photographs of exhibits displayed at the research laboratories of the Bureau of Agricultural and Industrial Chemistry have been assembled in this publication to illustrate the progress made on some of the outstanding research problems now completed or under way in these laboratories.

SERVICE AND REGULATORY MATERIAL

Index to service and regulatory announcements. January–December 1946. Bureau of Animal Industry. Pp. 87–88.

Service and regulatory announcements. Bureau of Animal Industry. January 1947. Pp. 1–10. (S. R. A.-B. A. I. 477). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

The wheat stem maggots of the genus *Meromyza* in the Pacific Northwest. L. P. Rockwood, Sarah K. Zimmerman, and T. R. Chamberlin. Bureau of Entomology and Plant Quarantine. 18 p., illus. (T 928). Price 10¢.

Many notes on the wheat stem maggots have been accumulated at the Forest Grove, Oreg., laboratory of the Bureau of Entomology and Plant Quarantine. The purpose of this bulletin is to make available to other workers the information that has been obtained.

OTHER PUBLICATIONS

Physical land conditions in the Rio Grande watershed of southern New Mexico. Soil Conservation Service. 28 p., illus. (PLS 42). Price 15¢. **Free distribution restricted.**

A survey of the Rio Grande Valley and its adjacent drainage basin south of Elephant Butte Reservoir was made. This publication gives the survey, including a classification of the land according to its capability for use.

Report of the Administrator of Agricultural Research, 1946. P. V. Cardon. Price 50¢. **For sale only.**¹

Youth can help. Extension Farm Labor Program. Folder, illus. (PA 28). This publication supersedes IS-51, of which it is a revision.

Youth have already proved they can help out when farm labor is scarce. Farmers will find them useful labor again in 1947. Gives information on how to obtain youth workers for your farm.

PERIODICALS

The agricultural situation. Vol. 31, No. 2. February 1947; Vol. 31, No. 3. March 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

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Agriculture decisions. Vol. 6, No. 1. January 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Agriculture in the Americas. Vol. VII, No. 3. March 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 10, No. 3. March 1947. Price 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.¹

Consumers' guide. Vol. XIII, No. 3. March 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Extension service review. Vol. 18, No. 3. March 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Index to Vol. X, 1946.

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— Vol. 74, Nos. 5 and 6. March 1 and 15, 1947. Illus. Contents:

Blackening indices of potatoes grown under various conditions of field culture (Key No. Wis.-160). W. E. Tottingham, Rudolph Nagy, A. Frank Ross, Jerry W. Marek, and Carl O. Clagett.

Predisposition of tomato to Fusarium wilt (Key No. Wis.-162. R. E. Foster and J. C. Walker.

Effect of indole-3-butyric acid on transplanted pecan trees (Key No. G-1367). C. L. Smith.

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Land policy review. Vol. X, No. 1. Spring 1947. Quarterly.
Price 10¢ a copy, 30¢ a year, domestic; 40¢ a year, foreign.¹

News for farmer cooperatives. Vol. 13, No. 12. March 1947. Price
10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 12, No. 7. March 1947. Price
10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

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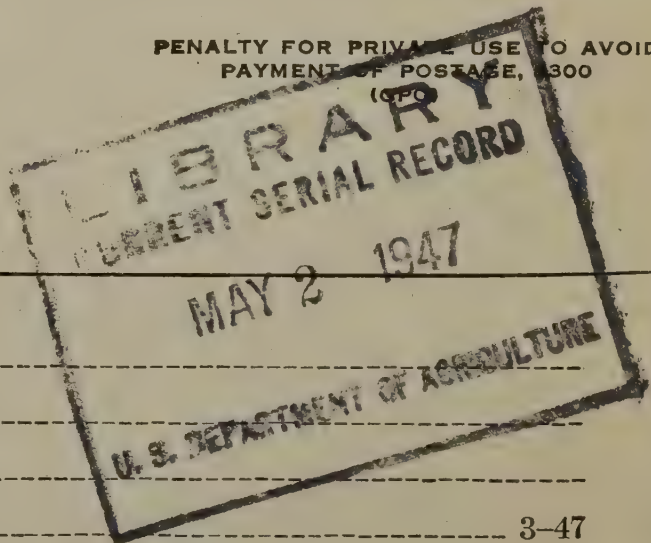
FREEZING FRUITS AND VEGETABLES. 11½ reels; in color; released 1946. Running time 15 minutes. Made under the supervision of specialists of the Bureau of Human Nutrition and Home Economics.

Freezing is the newest development in a thousand years of food preservation progress. Freezer locker plants and home freezers are bringing to the average family foods that kings never before enjoyed. The film tells the story, step by step. It shows how to prepare and package fruits and vegetables for freezing in a home freezer or in a commercial locker plant. It illustrates with step-by-step close-ups, recommended methods for corn, broccoli, strawberries, and peaches. It demonstrates special home-made equipment for filling and sealing packages. It gives you the answer to such questions as how long to scald vegetables; how to keep fruit from darkening; how to sweeten fruit; how to seal different types of containers. This film will help you to achieve an everyday miracle of bringing spring and summer goodness to the dining table the year round.

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BULLETIN OF THE MONTH

"Farm Fishponds for Food and Good Land Use" Farmers' Bulletin 1983

Thousands of farms have good pond sites. Properly developed and managed ponds may provide both food and pleasure to more than a million farm people. This bulletin tells how to have good ponds. It explains how to manage such ponds to assure rapid production of an ample supply of fish.

FARMERS' BULLETINS

Farm fishponds for food and good land use. Verne E. Davison. Soil Conservation Service. 29 p., illus. (F 1983.) Supersedes F 1938. Price, 10¢. See above.

LEAFLETS

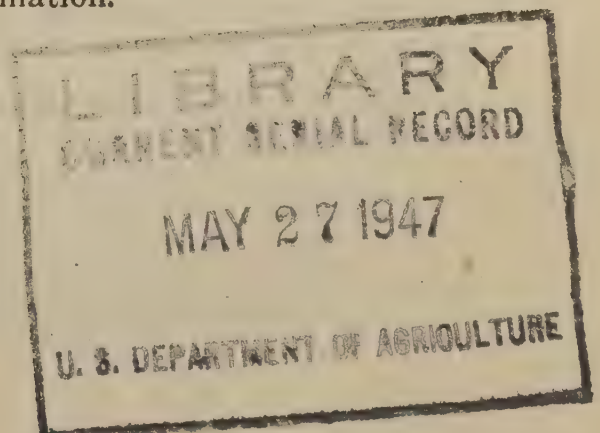
Clothes moths. E. A. Back. Bureau of Entomology and Plant Quarantine. 8 p., illus. (L 145, rev.) Price, 5¢.

This leaflet has been revised to include the use of DDT in the control of this household pest.

Crimson clover. E. A. Hollowell. Bureau of Plant Industry, Soils, and Agricultural Engineering. 8 p., illus. (L 160, rev.) Price, 5¢.

Crimson clover is the most important winter annual legume of the central section of the Eastern States. Besides being an excellent pasture plant and furnishing plenty of hay, it protects the soil during fall, winter, and spring, prevents soil washing, and provides green manure for soil improvement. This revised publication discusses varieties, cultural methods, and fertilizers for each section.

*Compiled by Eleanor W. Clay, Office of Information.



SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. February 1947. Pp. 11-22. (SRA-BAI 478.) Price, 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Studies on handling and transplanting guayule nursery stock. Louis C. Erickson and Paul F. Smith. Bureau of Plant Industry, Soils, and Agricultural Engineering. 58 p., illus. (T 924.) Price, 20¢.

Transplanting, in a broad sense, covers all the cultural practices and operations involved in getting the plant from the seedbed into the field. It is the purpose of this bulletin to present the results of such studies on transplanting guayule.

OTHER PUBLICATIONS

Bibliography on aviation and economic entomology. Ina L. Hawes and Rose Eisenberg. Library. 186 p. (Bib. Bul. 8.) Price, 35¢.

This bibliography covers the years 1919 through 1944. The references selected for inclusion are those on the relation of aircraft to the control of crop pests, forest insects, and mosquitoes, to the transportation of disease vectors, together with the attendant problems of quarantine and disinfestation, and to insecticidal injury to bees, livestock, etc.; aircraft studies of aerial fauna; and aerial scouting and mapping of infested areas.

Cotton quality statistics, United States, 1945-46. Production and Marketing Administration. 62 p., illus. (CS-21.)

This report contains information on the quality of cotton ginned during the 1945-46 season, and on the quality of cotton on hand in the United States on August 1, 1946.

Cotton futures statistics, August 1942-July 1945. Production and Marketing Administration. 55 p. (CS-22.)

Information on cotton futures trading is published periodically. This bulletin covers the three crop years, 1942-43 through 1944-45.

Farm work for city youth. Farm Labor Program, Extension Service, and the Land-Grant Colleges cooperating. 24 p., illus. (PA-27.)

This publication concerns urban youth farm-work program. Because some responsibility must be taken for making farm work available to town and city youth, it endeavors to kindle greater interest in keeping open youth's employment avenues to the farm.

Great Plains States combine and labor guide: Wheat and small-grain harvest. Farm Labor Program, Extension Service. Folder, illus. (PA-29.)

This guide has been prepared as an aid to operators of custom combines and trucks, and to workers who assist in the harvesting of wheat and other small grains in the western Great Plains States.

Informe de la estación experimental Federal en Puerto Rico, 1945. Office of Experiment Stations. 79 p. (Spanish edition.) Distribution restricted.

This is the annual report of the Federal Experiment Station in Puerto Rico for 1945 translated into Spanish.

Manila grass for lawns. Norman F. Childers and David G. White. Office of Experiment Stations. 16 p., illus. (PRC 26.) Price, 10¢. For sale only.¹

Manila grass is one of the best lawn grasses for the tropics. It also can be grown in the continental United States as far north as New England. The

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important advantages of Manila grass are that it crowds out most weeds and other grasses, remains green during hot, dry weather, and appears to have no important insect enemies or diseases.

Tropical kudzu in Puerto Rico. Emery A. Telford and Norman F. Childers. Office of Experiment Stations. [30] p., illus. (PRC 27.) Price, 10¢. For sale only.¹

Tropical kudzu is a vigorous, deep-rooted leguminous vine, which is relatively resistant to draught and when well established can be depended upon to supply forage for livestock during the dry season. Other valuable features of tropical kudzu are described in this circular.

PERIODICALS

Agriculture decisions. Vol. 5, No. 12, December 1946; Vol. 6, No. 2, February 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Agriculture in the Americas. Vol. VII, Nos. 4-5. April-May 1947. Price, 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 10, No. 4. April 1947. Price, 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.

Consumers' guide. Vol. XIII, No. 4. April 1947. Price, 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.

Extension service review. Vol. 18, Nos. 4 and 5. April–May 1947.
Price, 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Fire control notes. Quarterly. Vol. 8, Nos. 2 and 3. April and July 1947. Price, 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. 11, Nos. 4-5. April-May 1947. Price, 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.

Journal of agricultural research. Price, \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

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———— Vol. 73, July 1–December 15, 1946. Index.

———— Vol. 74, Nos. 7 and 8. April 1 and 15, 1947. Illus. Contents:

Acidic and phenolic fractions of crucifer roots in relation to clubroot (Key No. Wis.-161). Frederick G. Smith, Karl Paul Link, and J. C. Walker.

Studies on the inheritance of hard seeds in beans (Key No. Ga.-20). G. A. Lebedeff.

The relation between age, number, and types of cells in the peripheral circulation of chicken embryos under normal and experimental conditions (Key No. Mich.-51). R. A. Fennell.

News for farmer cooperatives. Vol. 14, No. 1. April 1947. Price, 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XII, No. 9. April 1947. Price, 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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IT'S YOUR LAND. (1½ reel; 16 mm. and 35 mm.; sound; black and white.) Released 1947.

The devil-in-phantom gloats over a farmer at his dinner table. Food disappears from dishes as erosion carries away topsoil. Satan brags that only 2½ acres of cropland remain for each person in the United States, but he is routed by the local soil conservation committee of farmers and the activities they sponsor. For community and theatrical use. **AVAILABLE ONLY** from State offices of the Production and Marketing Administration.

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BULLETIN OF THE MONTH

"Harvesting With Combines" Farmers' Bulletin 1761

Farmers are adopting the combine for harvesting and threshing an increasing number of crops. The machine must be cared for and kept in adjustment. To operate the combine economically the operator must be familiar with it and must know also the best harvesting time and the threshing peculiarities of the various crops. The purpose of this revised bulletin is to give a clear understanding of the functions of the principal parts of the combine and the ripening characteristics of the crops in relation to harvesting.

FARMERS' BULLETINS

Harvesting with combines. W. M. Hurst and W. R. Humphries. Bureau of Plant Industry, Soils, and Agricultural Engineering. 40 p., illus. (F 1761, rev.) Price 15¢. *See above.*

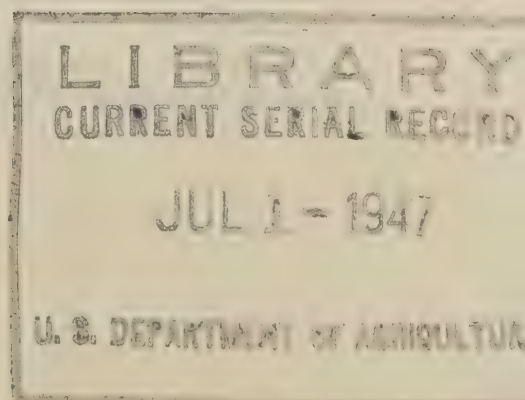
CIRCULARS

Methods of soil analysis for soil-fertility investigations. Michael Peech, L. T. Alexander, L. A. Dean, and J. Fielding Reed. Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with the New York and North Carolina Agricultural Experiment Stations. 25 p. (C 757.) Price 10¢.

The methods discussed in this circular are the results of a cooperative study of the nutrient status of soils in the commercial potato-producing areas of the Atlantic and Gulf coasts. The active interest in the standardization of methods for soil analysis prompted the publication of this report to encourage workers in other regions to standardize the laboratory phases of their soil-fertility investigations.

*Compiled by Eleanor W. Clay, Office of Information.

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MISCELLANEOUS PUBLICATIONS

Life insurance for farm families. Ralph R. Botts. Bureau of Agricultural Economics. 49 p., illus. (M 621.) Price 15¢.

Life insurance offers a way to the farmer as well as the city man to increase his immediate estate and add to the security of his family, if he has the income to pay for it. Kinds of policies and terms are discussed in this publication.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. March 1947. Pp. 23-30. (SRA-BAI 479.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

OTHER PUBLICATIONS

A guide to farm jobs along western highways. Farm Labor Program, Extension Service. Folder, illus. (PA-30.)

This booklet will help you if you plan to do farm work in Arizona, California, Idaho, Nevada, Oregon, Utah, or Washington. Areas of the West where folks who follow the crops are hired during some part of the year are shown in this booklet. Work information about each area is in the booklet, too. Farm Labor Information Stations are set up along the main highways.

PERIODICALS

The agricultural situation. Vol. 31, No. 5. May 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 6, No. 3. March 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Bibliography of agriculture. Vol. 10, No. 5. May 1947. Price 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.¹

Consumers' guide. Vol. XIII, No. 5. May 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

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——— Vol. 74, Nos. 9 and 10. May 1 and 15, 1947. Illus. Contents:

Inheritance of reaction to rust in flax (Key No. G-1368). H. H. Flor.

Embryology of pecan (Key No. G-1369). J. W. McKay.

Apparent digestibility by sheep of lignin in pea and lima-bean vines (Key No. A-222). R. E. Davis, C. O. Miller, and I. L. Lindahl.

News for farmer cooperatives. Vol. 14, No. 2. May 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

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Rural electrification news. Vol. 12, No. 8. April–May 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Soil conservation. Vol. XII, No. 10. May 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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RICHER RANGE REWARDS. 3 reels, 16 mm., sound, in color. Released 1946. Running time, 33 minutes.

A western cattleman, on the advice of a neighbor, goes to the Jordana Experimental Range near Las Cruces, New Mexico, seeking help. His range had become badly run down. The director of the experimental range gives practical advice, drawing on experience and tests in several States. He emphasizes the importance of (1) grazing only when the range is ready for use, (2) stocking only the number of animals for which there is abundant grass, and (3) distributing the cattle so that the range is grazed uniformly. (Available from libraries in Range States and Forest Service Regional Offices.)

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BULLETIN OF THE MONTH

"Late Blight of Tomatoes"

Agricultural Information Series 63

In 1946 late blight of tomatoes caused more damage than it had caused in any previous year. Until then it was almost unknown in many tomato-growing sections. Importance, symptoms, cause, and how to control late blight are given in this publication.

AGRICULTURAL INFORMATION SERIES

Saving beans from mosaic. W. J. Zaumeyer and H. Rex. Thomas. Bureau of Plant Industry, Soils, and Agricultural Engineering. Folder. [5] p., illus. (IS-61).

Common bean mosaic, which has been known for over 50 years, is world-wide in occurrence. Importance, cause, kinds, symptoms, and control measures are discussed in this folder.

Saving beans from bacterial blight. H. Rex Thomas and W. J. Zaumeyer. Bureau of Plant Industry, Soils, and Agricultural Engineering. Folder, 5 p., illus. (IS-62).

Bacterial blight is of major importance wherever beans are subject to frequent rains during the growing season. The most effective control measures against bacterial blight are use of disease-free seed, rotation, and good cultural practices.

Late blight of tomatoes. S. P. Doolittle and R. J. Haskell. Bureau of Plant Industry, Soils, and Agricultural Engineering and Extension Service. Folder, illus. (IS-63). *See above.*

*Compiled by Eleanor W. Clay, Office of Information.

MISCELLANEOUS PUBLICATIONS

Your farmhouse: How to plan remodeling. Bureau of Human Nutrition and Home Economics and Bureau of Plant Industry, Soils, and Agricultural Engineering. [24] p., illus. (M. 619). Price 15¢. **For sale only.**¹

Plans and suggestions are presented in this publication.

The balance sheet of agriculture, 1946. Bureau of Agricultural Economics. 56 p., illus. (M. 620). Price 15¢.

This is the second of a series of annual reports which are designed to carry forward the comparative consolidated balance sheet of agriculture.

Your farmhouse: Cut-outs to help in planning. Bureau of Plant Industry, Soils, and Agricultural Engineering, Bureau of Human Nutrition, and Home Economics, and Extension Service. 47 p., illus. (M. 622). Price 25¢ **For sale only.**¹

Good house planning is a family job. It is best done carefully over a period of time and in easy stages before engaging a builder. This publication is prepared as an aid to wise planning and sound investment for the farm family that wishes to remodel the old house or build new.

SERVICE AND REGULATORY MATERIAL

Notices of judgment under the Insecticide Act. Production and Marketing Administration. Pages 631-650. (N. J., I. F., 1950-1975).

Service and regulatory announcements. Bureau of Animal Industry. April 194. Pp. 31-39. (SRA-BAI. 480). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Role of potash in growth and nutrition of Maryland tobacco. J. D. Bowling and D. E. Brown. Bureau of Plant Industry, Soils, and Agricultural Engineering, in cooperation with the Maryland Agricultural Experiment Station. 28 p., illus. (T. 933). Price 10¢.

The influence of potash fertilizer on the tobacco crop is discussed.

OTHER PUBLICATIONS

A guide to farm jobs from Gulf to Great Lakes. Extension Farm Labor Program. Folder [32] p., illus.

This guide will help if you plan to do farm work in Alabama, Arkansas, Illinois, Indiana, Iowa, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Ohio, Tennessee, or Wisconsin.

DDT for control of household pests. Bureau of Entomology and Plant Quarantine, and the United States Public Health Service. [16] p., illus. Price 5¢. **For sale only.**¹

This pamphlet contains the latest on the best use of DDT against household pests. Instructions given here in simplified form are meant to guide the individual home owner or apartment dweller in the use of DDT to control household pests.

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PERIODICALS

The agricultural situation. Vol. 31, No. 6. June 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

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——— Vol. 74, Nos. 11 and 12. June 1 and 15, 1947. Illus. Contents:

Rhizoctonia foliage blight of sugar beets (Key No. G-1375). John E. Kotila.

Effect of the site on growth of shipmast locust (Key No. S-6). Henry Hopp and Samuel Grober.

Origin of the seed coats in guayule (Key No. G-1372). Louis C. Erickson and H. M. Benedict.

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News for farmer cooperatives. Vol. 14, No. 3. June 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XII, Nos. 11, 12. June-July 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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THE FRYING PAN AND THE FIRE. 2 reels, 16-mm., sound; in color. Released 1947.

This is a story of Jane and Mary who pack their car and go camping. It relates their experience with fire in the woods. "Remember, Only You Can Prevent Forest Fires" is the lesson postered at the end of the film. Available from Forest Service regional offices and most film libraries.

LIFEBLOOD OF THE LAND. 2 reels, 16-mm., in color. Released 1947.

The disasters of over-cutting, over-grazing and erosion are shown, and appeal is made for conservation of water, the life blood of the land. Irrigated crops, productive range, water and forests for recreation, rivers for fish and commerce have their place in the film. Available from Forest Service regional offices and most film libraries.

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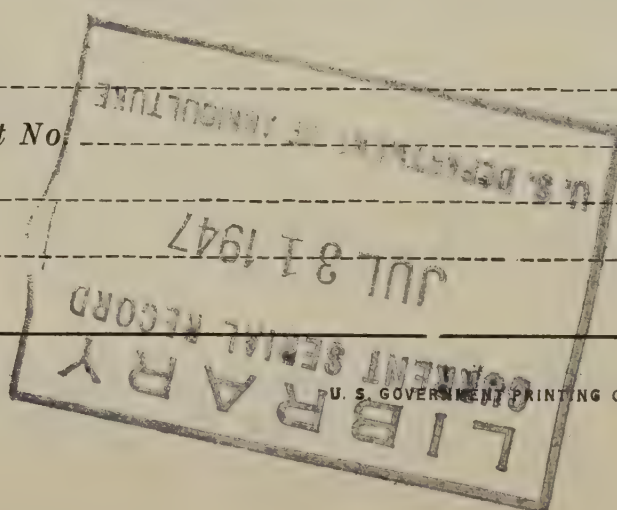
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BULLETIN OF THE MONTH

"Home Canning of Fruits and Vegetables"
Agricultural Information Series 64

Revised directions are given in this new booklet for canning low-acid vegetables in tin and glass.

AGRICULTURAL INFORMATION SERIES

Home canning of fruits and vegetables. Bureau of Human Nutrition and Home Economics. 24 p., illus. (IS-64.) Price 5¢. See above.

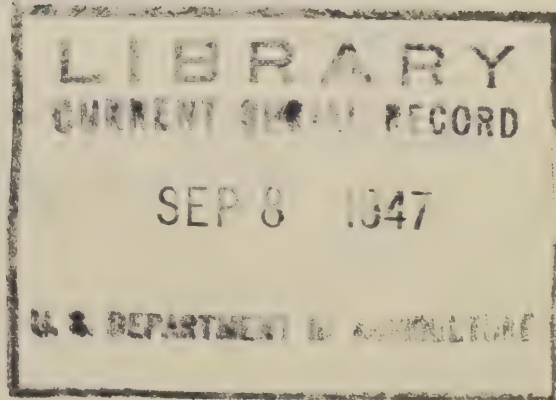
CIRCULARS

Effectiveness of fungicidal chemicals in preventing the growth of *Trichophyton interdigitale* and *Epidermophyton floccosum* in shoe leather. Dorothea E. Klemme and Agnes C. Baldwin. Bureau of Human Nutrition and Home Economics. 18 p. (C. 758.) Price 10¢.

The effect of mildew-producing fungi on shoe leather is reported. The investigation was part of wartime research in which various chemicals were used to inhibit the growth of fungi.

*Compiled by Eleanor W. Clay, Office of Information.

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FARMERS' BULLETINS

Seed for regrassing Great Plains areas. Max M. Hoover, James E. Smith, Jr., A. E. Ferber, and D. R. Cornelius. Soil Conservation Service. 37 p., illus. (F. 1985.) Price 10¢.

Range and pasture grass seed, now needed on farms of the United States as never before, can be grown successfully as a farm crop. The region for which this bulletin has been prepared includes the Great Plains and adjacent prairie areas of eastern North and South Dakota, Nebraska, Kansas, Oklahoma, and Texas.

It is intended to help farmers, ranchers, and technicians in efforts to establish suitable native and introduced grasses.

MISCELLANEOUS PUBLICATIONS

Russian dandelion (kok-saghyz): An emergency source of natural rubber. W. Gordon Whaley and John S. Bowen. Bureau of Plant Industry, Soils, and Agricultural Engineering and Forest Service. 212 p., illus. (M. 618.) Price 55¢.

This publication is a summary of the investigations conducted by the Emergency Rubber Project between early summer 1942 and June 1944. It is intended to serve as a general reference, an index of kok-saghyz publications and a guide to future investigations of kok-saghyz.

First aid for the irrigator. Farmers Home Administration. [44] p., illus. (M. 624.) Price 20¢. For sale only.¹

This publication is for the farmer to use when he already has his supply of water and the work of land development has been accomplished. It is a booklet of simple drawings and description of practical methods and easily made tools, equipment, and structures to use in the actual work of irrigating crops.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. May 1947. Pp. 41-49. (S. R. A.-B. A. I. 481.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

Indiana, Bartholomew County. (Series 1936, No. 27.) 105 p., illus. Price 40¢.

OTHER PUBLICATIONS

Trabajos de agricultura a lo largo de las carreteras occidentales. Extension de Servicio del Departamento de Agricultura de los Estados Unidos. Folder, illus. (Spanish edition.) (PA-30.) Distribution restricted.

Regulations governing the meat inspection of the United States Department of Agriculture. Bureau of Animal Industry. 200 p. Edition of January 1947. Distribution restricted.

PERIODICALS

The agricultural situation. Vol. [31], No. 7. July 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 6, No. 5. May 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Bibliography of agriculture. Vol. 10, No. 6. June 1947. Price 40¢ a copy, \$4.50 a year, domestic; \$5.50 a year, foreign.¹
Crops and markets. Vol. 24, No. 1. January 1947. Quarterly. Price 10¢ a copy, 40¢ a year, domestic; 55¢ a year, foreign.¹
Experiment station record. Vol. 92. January–June 1945. Index number.
Extension service review. Vol. 18, No. 7. July 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹
Foreign agriculture. Vol. 11, No. 7. July 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹
Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

—— Vol. 75, No. 1. July 1, 1947. illus. Contents:

Minimum phosphate requirements of potato plants grown in solution cultures (Key No. G-1370). G. V. C. Houghland.

Reaction of cabbage varieties to mosaic viruses. (Key No. G-1371). Glenn S. Pound.

Beet mosaic in the Pacific Northwest (Key No. G-1373). Glenn S. Pound.

The hemicelluloses of maize cobs and rye straw (Key No. Mass.-54). Emmett Bennett.

—— Vol. 75, No. 2. July 15, 1947. Illus. Contents:

Storage of cottonseed and peanuts under conditions which minimize changes in chemical composition (Key No. E-101). Mack F. Stansbury and John D. Guthrie.

Nonprotein and carotene as an index of plant activity in range forage (Key No. N. Mex.-9). W. E. Watkins.

Alternaria blight and seed infection, a cause of low germination in certain radish seed crops (Key No. Mich.-50). D. M. McLean.

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News for farmer cooperatives. Vol. 14, No. 4. July 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹
Rural electrification news. Vol. 12, No. 9. June-July 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹
Soil conservation. Vol. X. July 1944 to June 1945. Index.

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16 mm. and 35 mm. widths. Films in the 16 mm. size are available from State film libraries; 35 mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

FLOOD. 1 reel, 16 mm. and 35 mm., sound, released 1946. Running time, 7 minutes.

The film begins with familiar down-the-river scenes of flood disaster in cities and on farms; then reminds that three-fourths of the damage is back on the small watersheds where the floods start. Methods of control on the watersheds are shown: Sod, terraces, farming on the contour, healing gullies, farm ponds, mulching, sod waterways, detention dams. The concluding scenes summarize Soil Conservation Service activity and its advantages to both country and city. (Available from Soil Conservation Service regional offices and for sale; not in libraries.)

THE GOLDEN SECRET. 1 reel, 16 mm., sound, in color, released 1946. Running time, 5 minutes.

This picture takes conservation to the fairy story audience. It is a cartoon movie, but not animated. It is a fairy story about the golden top soil being washed away and what the son of the king's chief huntsman did to stop it and how the king rewarded him with the gift of the best farm in all the realm. (Available from Soil Conservation Service regional offices and for sale; not in libraries.)

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MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES *

AUGUST 1947

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BULLETIN OF THE MONTH

"The Farmer's Share of the Consumer's Food Dollar"

Leaflet 123

Whenever food prices rise noticeably consumers want to know why, and they often ask how much farmers are getting out of these higher prices they are paying. Answers given here should satisfy the consumers' questions.

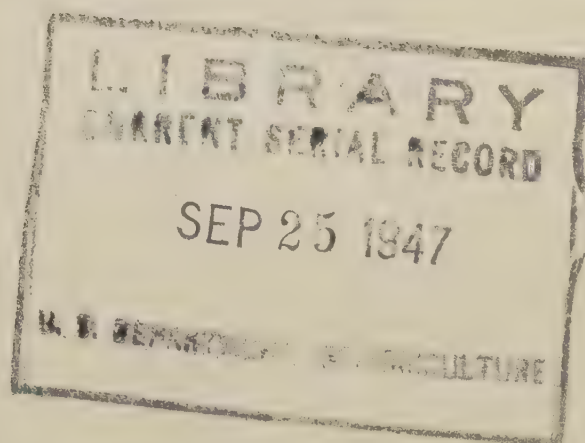
LEAFLETS

The farmer's share of the consumer's food dollar. Bureau of Agricultural Economics. 8 p., illus. (L. 123, rev.) Price 5¢. See above.

Housefly control. F. C. Bishopp and L. S. Henderson. Bureau of Entomology and Plant Quarantine. 9 p., illus. (L. 182, rev.) Price 5¢.

This leaflet has been revised to include the use of DDT in the control of this household pest.

* Compiled by Eleanor W. Clay, Office of Information.



MISCELLANEOUS PUBLICATIONS

Vitamin and mineral values of vegetables as served in an Army mess. Elsa Orent-Keiles, Elizabeth M. Hewston, and Lillian I. Butler. Bureau of Human Nutrition and Home Economics. 18 p., illus. (M. 632). Price 10¢. **For sale only.**¹

This investigation was undertaken to determine the vitamin and mineral values in several commonly used vegetables served in a typical Army mess, and to determine also, insofar as possible, the changes occurring in the content of these nutrients during preparation.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. June 1947. Pp. 51-58. (SRA-BAI 482). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

SOIL SURVEYS

North Carolina, Swain County. (Series 1937, No. 18.) 65 p., illus. Price \$1.00.

OTHER PUBLICATIONS

The agricultural conservation program on California's farms and ranches. Production and Marketing Administration, California State PMA Committee. 12 p., illus. (PA-31).

The Agricultural Conservation Program provides guidance and financial help to farmers and ranchers in applying necessary conservation practices to their land. This booklet presents a few ACP practices which are approved for use on California farms and ranches.

Commodity futures statistics, July 1945-June 1946. Commodity Exchange Authority. 37 p. (CEA-104).

This edition covers the fiscal year 1946 and presents the more important data on futures trading in commodities covered by the Commodity Exchange Act.

PERIODICALS

The agricultural situation. Vol. 31, No. 8. August 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture in the Americas. Vol. VII, Nos. 8-9. August-September 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 11, No. 2. August 1947. Price \$6.00 a year, domestic; \$8.00 a year, foreign. Single copies vary in price.¹

Consumers' guide. Vol. XIII, No. 7. July 1947.

Because of limitation of funds and the necessity for reducing Department of Agriculture information activities, the Consumers' Guide ceases publication with this issue.

Extension service review. Vol. 18, Nos. 8 and 9. August-September 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Foreign agriculture. Vol. 11, Nos. 8-9. August-September 1947.

Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹
Journal of agricultural research. Price \$2.25 a year, domestic;
 \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

———Vol. 75, No. 3. August 1, 1947. Illus. Contents:

Growth responses to organic compounds by tobacco seedlings in aseptic culture (Key No. G-1374). Robert A. Steinberg.

Congenital malformation of eyes of sheep (Key No. Wyo.-4). Irene Rosenfeld and O. A. Beath.

Reaction of mountain brome and Canada wild-rye strains to head smut (*Ustilago bullata*) (Key No. G-1356). E. J. Kreizinger, George W. Fischer, and A. G. Law.

———Vol. 75, No. 4. August 15, 1947. Illus. Contents:

Variability in *Phoma lingam* (Key No. G-1377). Glenn S. Pound.

Elimination and retention of pollen sterility in potato improvement (Key No. Minn.-127). Zola M. Fineman.

(Studies on biological races of the hessian fly (Key No. K-340). W. B. Cartwright and W. B. Noble.

Value of soybean meal prepared from frosted-field-damaged soybeans for growing-fattening swine (Key No. Ill.-80). B. W. Fairbanks, J. L. Krider, Damon Catron, and W. E. Carroll.

News for farmer cooperatives. Vol. 14, No. 5. August 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIII, No. 1. August 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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RAINDROPS AND SOIL EROSION. 2 reels, 16 mm., sound; in color. Released 1947. Running time 19 minutes.

This film shows graphically the effect of rain on the soil. By a series of experiments, it is shown how raindrops scatter the precious topsoil and make erosion. Conservation measures are necessary to combat the harmful effects of rainfall and turn it into a blessing. Mulching cover crops, strip-cropping, terracing and contouring are seen to be the agents that successfully prevent soil erosion. Available from Soil Conservation Service regional offices.

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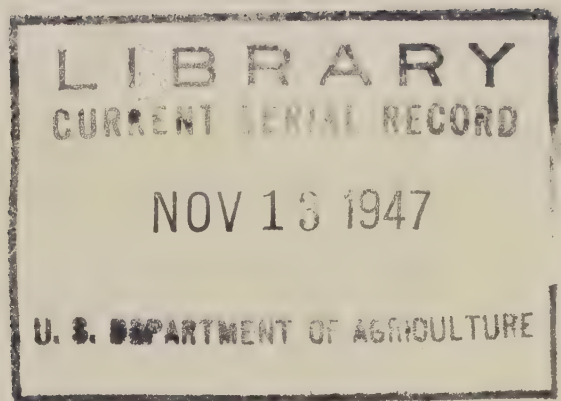
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FARMERS' BULLETINS

Breeds of swine. John H. Zeller. Bureau of Animal Industry. 19 p., illus. (F. 1263, rev.) Price 10¢. **For sale only.**

The purpose of this revised bulletin is to present in a concise manner the most important features regarding the principal breeds of swine in this country, and the relationship of purebreeds to the commercial swine industry.

MISCELLANEOUS PUBLICATIONS

Improvement and industrial utilization of soybeans: Research under the soybean laboratory program. Agricultural Research Administration. 26 p., illus. (M. 623). Price 10¢.

The work of one of the Bankhead-Jones laboratories, located in Urbana, Illinois, covering the complete program, the results obtained to date, and the continuing research is described herein.

Wood properties and paint durability. F. L. Browne. Forest Service. 10 p., illus. (M. 629). Supersedes Leaflet 62. Price 10¢.

Some kinds of wood hold coatings of outside house or barn paint longer than others. This publication explains how paint is affected by wood, and offers some suggestions for painting the more difficult woods.

SERVICE AND REGULATORY MATERIAL

Index to service and regulatory announcements, 1945. Bureau of Entomology and Plant Quarantine. 2 p. (SRA-BEPQ Index 1945).

*Compiled by Eleanor W. Clay, Office of Information.

- Japanese beetle quarantine.** Bureau of Entomology and Plant Quarantine. 9 p. (BEPQ-Q 48). Effective May 17, 1947.
- Modification of regulations of European corn borer quarantine No. 41, second revision.** Bureau of Entomology and Plant Quarantine. 1 p. (BEPQ-Q 41, Amdt. 1). Effective July 15, 1947.
- Regulations for cotton warehouses.** Production and Marketing Administration. 22 p. (SRA-PMA 126, Revised).
- Service and regulatory announcements.** Bureau of Animal Industry. July 1947. Pp. 59-67. (SRA-BAI 483). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹
- White-fringed beetle quarantine.** Bureau of Entomology and Plant Quarantine. 10 p. (BEPQ-Q 72). Effective March 15, 1947.

OTHER PUBLICATIONS

- Dairy and poultry market statistics, 1946.** Production and Marketing Administration. 72 p. (CS-23).
Title is self-explanatory.

PERIODICALS

- The agricultural situation.** Vol. 31, No. 9. September 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹
- Agriculture decisions.** Vol. 6, No. 6, June 1947; Vol. 6, No. 7, July 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹
- Bibliography of agriculture.** Vol. 11, No. 3. September 1947. Price \$6.00 a year, domestic; \$8.00 a year, foreign. Single copies vary in price.¹
- Journal of agricultural research.** Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**
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—— Vol. 75, Nos. 5 and 6. September 1 and 15, 1947. Illus.
Contents:
Growth rates of host and pathogen as factors determining the severity of preemergence damping-off (Key No. Calif.-140). L. D. Leach.
Resistance of *Lathyrus spp.* and *Pisum spp.* to *Ascochyta pinodella* and *Myco-sphaerella pinodes* (Key No. G-1380). J. L. Weimer.
- News for farmer cooperatives.** Vol. 14, No. 6. September 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹
- Rural electrification news.** Vol. 13, Nos. 1 and 2. August-September 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹
- Soil conservation.** Vol. XIII, No. 2. September 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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RETURN OF THE PINES. 2 reels, 16 mm., sound, in color, released 1947. Running time, 20 minutes.

The best ways of effectively combating the costly white pine blister rust disease are shown in this new color film, produced by the Motion Picture Service and sponsored by the Bureau of Entomology and Plant Quarantine. From the Great Smokies to Pennsylvania; from Chesapeake Bay to the Alleghenies the blister rust menace is being brought under control. The eradication of this disease will help to preserve our watersheds, the land itself, and assure a continued supply of one of our important natural resources: the White Pine. (Available from Bureau of Entomology and Plant Quarantine regional offices and for sale; not in libraries.)

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BULLETIN OF THE MONTH

"Managing the Small Forest"
Farmers' Bulletin 1989

The bulletin is planned especially for small forest landowners east of the Great Plains. However, much of the advice also applies to the Western States. It will give you sound general advice on managing your small forest for the most profit. Not all of it applies to your land, but as you read you will be able to tell roughly what parts do. Then, under the guidance and advice of the local forester, you can carry out the ideas that will benefit you.

FARMERS' BULLETINS

Managing the small forest. Forest Service, Soil Conservation Service, and Extension Service. 61 p., illus. (F.1989.) Price 20¢. See above.

CIRCULARS

Coordinated management for harvesting, storing, and marketing Northwest apples. W. V. Hukill and Len B. Wooton. Bureau of Plant Industry, Soils, and Agricultural Engineering. 32 p., illus. (C.759.) Price 10¢.

The results of a planned procedure of harvesting, packing, storing, and marketing apples as undertaken by a cooperative association of growers in Oroville, Wash., are presented here.

*Compiled by Eleanor W. Clay, Office of Information.

MISCELLANEOUS PUBLICATIONS

Your farm lease. Max M. Tharp. Extension Service in cooperation with Bureau of Agricultural Economics. 5 p., folder. (M. 627.) Price 5¢.

The basic principles or essentials of a good lease and a sample of the Flexible Farm Lease are outlined.

OTHER PUBLICATIONS

A guide for members of Rural Electric co-ops. Rural Electrification Administration. 24 p., illus. Price 10¢.

An explanation of the functions of REA co-ops is given in this question and answer booklet.

PERIODICALS

The agricultural situation. Vol. 31, No. 10. October 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture decisions. Vol. 6, No. 8. August 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Agriculture in the Americas. Vol. VII, Nos. 10 and 11. October-November 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

Bibliography of agriculture. Vol. 11, No. 4. October 1947. Price \$6.00 a year, domestic; \$8.00 a year, foreign. Single copies vary in price.¹

Extension service review. Vol. 18, No. 10. October 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Fire control notes. Vol. 8, No. 4. October 1947. Quarterly. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Foreign agriculture. Vol. 11, No. 10. October 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

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——— Vol. 75, Nos. 7 and 8. October 1 and 15, 1947. Illus. Contents:

Pollen degeneration in male-sterile sugar beets, with special reference to the tapetal plasmodium (Key No. G-1382). Ernst Artschwager.

Growth responses of tobacco seedlings in aseptic culture to diffusates of some common soil bacteria (Key No. G-1379). Robert A. Steinberg.

Use of lanolin and other unguents for improving budding in Hevea rubber-trees (G-1376). John H. Heuer and H. F. Loomis.

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

News for farmer cooperatives. Vol. 14, No. 7. October 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 13, Nos. 3 and 4. October-November 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIII, No. 3. October 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

COTTON, THE CO-OP WAY. 2½ reels, 16 mm., sound, black and white, released 1947. Running time, 25 minutes.

Like other cotton producers, Jim Newton desires to know more about cotton cooperatives. He visits the local co-op manager and learns of the advantages of membership in such an organization. In addition to ginning for their members, many co-ops provide varied services, such as credit and purchasing seed, feed, and other materials. It is a year 'round service which provides for pooling, grading, storage, and selling the bales.

By working together—the co-op way—cotton producers have a better chance of attaining greater production and greater cash returns.

Available from Farm Credit Administration regional offices and for purchase only. Price, about \$33.00 (Not in film libraries).

¹ Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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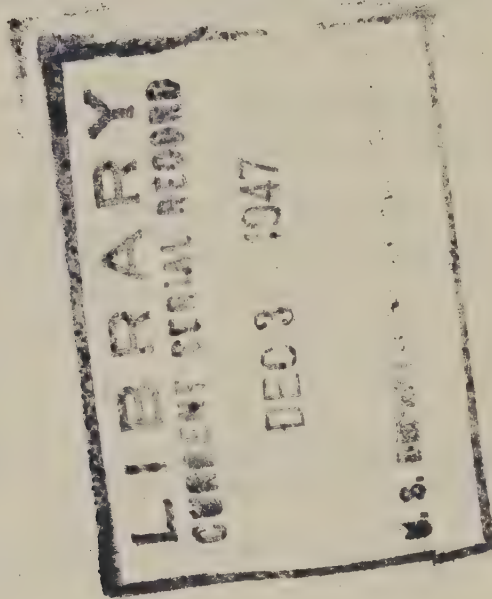
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A DECISION FOR BILL. 3 reels, 16 mm., sound, in color, released. 1947. Running time, 30 minutes.

Bill, a sophomore at college, seeks advice from his faculty advisor as to the type of work he should try to fit himself for. Being interested in agriculture, he is told of various kinds of activities conducted by the U. S. Department of Agriculture, in which scientists, technicians, and administrators are employed. In these positions there is an opportunity for college-trained men and women to render worthwhile public service and at the same time work at their chosen profession. Bill, very much impressed, says, "You've given me plenty to think about—plenty!"

Available for purchase only. Price about \$125.00. (Not in film libraries.)



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BULLETIN OF THE MONTH**"The Use of Disinfectants on the Farm"****Farmers' Bulletin 1991**

A disinfectant is not necessarily an "insecticide," for some powerful disinfectants are relatively harmless to insects, and good insecticides may be of little value as disinfectants. This bulletin indicates briefly the properties and uses of some disinfectants that are commonly used about the household and the farm but does not attempt to cover the entire field. The general principles discussed are applicable to human beings.

FARMERS' BULLETINS

Tobacco curing. W. W. Garner. Bureau of Plant Industry, Soils, and Agricultural Engineering. 22 p., illus. (F. 523, rev.). Price 10¢.

The quality of the final product in tobacco culture depends on the condition of the leaf as harvested and on proper handling and curing. Three methods of curing—air, flue, and fire curing are discussed in this revised bulletin.

Apple scald and its control. D. F. Fisher and T. S. Cooley. Bureau of Plant Industry, Soils, and Agricultural Engineering. 9 p., illus. (F. 1380, rev.). Price 5¢.

Apple scald is influenced by the cultural conditions under which the fruit is grown, by the stage of maturity at which it is harvested, and by the conditions under which it is stored. This revised bulletin gives the essential known information about the disease and the methods of controlling it.

Care and management of dairy cows. J. R. Dawson and P. C. Underwood. Bureau of Dairy Industry. 41 p., illus. (F. 1470, rev.). Price 15¢.

*Compiled by Eleanor W. Clay, Office of Information.

The most successful dairymen keep good cows, feed them well, and manage them properly. This revised bulletin describes certain practices in the care and management of dairy cows which practical experience, as well as scientific investigation, has shown to be successful.

Potato storage. Alfred D. Edgar. Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F. 1986). Price 10¢.

This bulletin presents information and plans for storing potatoes in the parts of the United States where climatic conditions permit good storage without refrigeration. Supersedes Farmers' Bulletin 847.

The use of disinfectants on the farm. Frank W. Tilley. Bureau of Animal Industry. 17 p., illus. (F. 1991). Price 10¢. *See* page 1.

CIRCULARS

The small rural industry—A study of the possibility of making insulating board from straw. E. C. Lathrop, T. R. Naffziger, and R. V. Williamson. Bureau of Agricultural and Industrial Chemistry. 22 p., illus. (C. 762). Price 15¢.

This case study has brought clearly into focus some of the main problems to be encountered in developing and establishing a rural industry for making a product that is already manufactured by mass-production methods and is skillfully advertised and merchandized.

MISCELLANEOUS PUBLICATIONS

Workers in subjects pertaining to agriculture in land-grant colleges and experiment stations, 1946-47. Betty T. Richardson. Office of Experiment Stations. 118 p. (M. 625). Price 25¢. **For sale only.**¹

Title is self-explanatory.

SERVICE AND REGULATORY MATERIAL

Service and regulatory announcements. Bureau of Animal Industry. August 1947. Pp. 69-80 (SRA-BAI 484). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

Service and regulatory announcements. Bureau of Animal Industry. September 1947. Pp. 83-90. (SRA-BAI 485). Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

OTHER PUBLICATIONS

Directory of the Bureau of Animal Industry. Revised to July 1, 1947. 61 pages. Price 15¢. **For sale only.**

Title is self-explanatory.

Handling your big-game kill. Forest Service. Folder, [6] p., illus. (M5241, rev.)

Information in this revised folder is designed to aid hunters in preventing waste.

Report of the Federal Experiment Station in Puerto Rico, 1946. 55 p. Price 15¢. **For sale only.**

Title is self-explanatory.

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PERIODICALS

Agriculture decisions. Vol. 6, No. 9. September 1947. Price of single copy varies depending on size. \$2.00 a year, domestic; \$2.50 a year, foreign.¹

Bibliography of agriculture. Vol. 11, No. 5. November 1947. Price \$6.00 a year, domestic; \$8.00 a year, foreign. Single copies vary in price.¹

Experiment station record. Index number to Vol. 93; Index number to Vol. 94.

Extension service review. Vol. 18, No. 11. November 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

Foreign agriculture. Vol. 11, Nos. 11-12. November-December 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.60 a year, foreign.¹

Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ **Not distributed free to individuals.**

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

——— Vol. 74. January 1-June 15, 1947. Index.

——— Vol. 75, Nos. 9 and 10. November 1 and 15, 1947. Illus. Contents:

Effects of controlled soil moisture on growth, composition, yield, and quality of Maryland tobacco (Key No. G-1378). J. E. McMurtrey, Jr., J. D. Bowling, D. E. Brown, and H. B. Engle.

Effect of initial acidity on calcium and magnesium requirements of tobacco in aseptic culture (Key No. G-1381). Robert A. Steinberg.

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Land policy review. Vol. X, No. 2. Summer-Fall 1947. With this number the magazine ceases publication.

News for farmer cooperatives. Vol. 14, No. 8, November 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Soil conservation. Vol. XIII, No. 4. November 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

MOTION PICTURES

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KNOW YOUR LAND. 1 reel, 16 mm., sound, in color, released 1945. Running time 10 minutes.

Presents in a simple way the principle of land classification. It identifies the eight classes of land and points out that each land class has its proper use and treatment. (Not a technical film.) Recommended audience: Farmers, business men in farming communities, schools, and agricultural workers. (Available from Soil Conservation Service regional offices, and for sale; not in film libraries.)

SNOW HARVEST. 3 reels, 16 mm., sound, in color, released 1946. Running time, 25 minutes.

A beautiful motion picture which describes dramatically the important and hazardous activity of making snow surveys in the high mountains of the West. It is rich in winter scenery "rarely looked upon by man," yet shows the techniques of measuring snow to forecast irrigation and other water supplies in enough detail to satisfy even scientific viewers. A film that practically all audiences will enjoy. (Available from Soil Conservation Service regional offices, and for sale; not in film libraries.)

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BULLETIN OF THE MONTH

"A Handbook for Better Feeding of Livestock" Miscellaneous Circular 12

This revised handbook covers the principles of the practical feeding of livestock in a general way. In addition, brief descriptions of the proper feeding practices for different kinds of livestock are given.

AGRICULTURAL INFORMATION SERIES

Save weather-damaged soybeans. J. L. Carter. Bureau of Plant Industry, Soils, and Agricultural Engineering. 9 p., illus. Folder. (IS-65.) This publication is a revision of and supersedes W-71.

Points out the need for saving weather-damaged soybeans and tells how this can be done.

CIRCULARS

Relative milk production of cows in pen barns and stanchion barns. R. R. Graves, J. R. Dawson, and D. V. Koplund. Bureau of Dairy Industry. 7 p., illus. (C. 763.) Price 5¢.

In recent years there has been considerable interest and some controversy concerning the merits of two general systems of housing dairy cows. This circular gives the results of an experiment to determine the relative milk and butterfat production of cows housed in a pen barn and in a stanchion barn, and discusses some of the problems that should be considered in deciding which system of housing to use.

FARMERS' BULLETINS

Asparagus culture. Ross C. Thompson. Bureau of Plant Industry, Soils, and Agricultural Engineering. 26 p., illus. (F. 1646, rev.) Price 10¢.

This revised bulletin discusses the culture, harvesting, and marketing of asparagus as an important truck crop.

MISCELLANEOUS CIRCULARS

A handbook for better feeding of livestock. Paul E. Howe, Harold M. Harshaw, and T. E. Woodward. Bureau of Animal Industry and Bureau of Dairy Industry. 71 p. illus. (M. C. 12, rev.) Price 10¢. *See above.*

*Compiled by Eleanor W. Clay, Office of Information.

MISCELLANEOUS PUBLICATIONS

Converting factors and tables of equivalents used in forestry. E. N. Munns, Theresa G. Hoerner, and V. A. Clements. Forest Service. 48 p., illus. (M. 225, rev.) Price 15¢.

The increasing use of metric measurements in the natural sciences is causing considerable confusion and difficulty in interpreting data. The purpose of this revised publication is to provide members of the Forest Service with conversion factors and forest measurements that are more or less frequently encountered in forestry literature.

SERVICE AND REGULATORY MATERIAL

Citrus fruit quarantine. Bureau of Entomology and Plant Quarantine. Effective October 25, 1947. 2 p. (B. E. P. Q.-Q. 28, rev.)

Citrus nursery stock quarantine. Bureau of Entomology and Plant Quarantine. Effective September 15, 1947. 2 p. (B. E. P. Q.-Q. 19, rev.)

Dutch elm disease quarantine. Bureau of Entomology and Plant Quarantine. Effective October 31, 1947. 3 p. (B. E. P. Q.-Q. 70.)

Hawaiian citrus nursery stock quarantine. Bureau of Entomology and Plant Quarantine. Effective September 15, 1947. 2 p. (B. E. P. Q.-Q. 75.)

Pink bollworm quarantine. Bureau of Entomology and Plant Quarantine. Revision of quarantine and regulations effective August 22, 1947. 8 p. (B. E. P. Q.-Q. 52, rev.)

Service and regulatory announcements. Bureau of Animal Industry. October 1947. Pp. 91-98. (S. R. A.-B. A. I. 486.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.¹

TECHNICAL BULLETINS

Occurrence of cotton fiber contaminated by *Aerobacter cloacae*. Francis E. Clark, Ralph J. Hervey, and Lester M. Blank. Bureau of Plant Industry, Soils, and Agricultural Engineering. 28 p., illus. (T. 935.) Price 10¢.

Presents the results of bacteriological surveys of ginned fiber and of field and laboratory observations on the growth and development of *Aerobacter cloacae*.

Marketing margins and costs for dairy products. Charles B. Howe. Bureau of Agricultural Economics. 82 p., illus. (T. 936.) Price 20¢.

This bulletin is one of a series prepared on marketing margins and costs for the major groups of farm products. It deals with fluid milk, butter, American cheese, and evaporated milk. The analyses presented are, in effect, a threefold break-down of the spread between the estimated prices paid by consumers for each dairy product and those received by farmers for equivalent quantities of dairy produce.

Commercial cotton-bleaching processes and their effect on fabrics. James H. Kettering and Rita M. Kraemer, Bureau of Agricultural and Industrial Chemistry. 37 p., illus. (T. 941.) Price 10¢.

In view of the importance of bleaching in the purification of cotton, an investigation of the chemistry of the various bleaching operations as applied commercially, was made for the purpose of improving the processes and raising the quality of the resultant fabric.

Estimation of the composition of lamb carcasses and cuts. O. G. Hankins, Bureau of Animal Industry. 16 p. illus. (T. 944.) Price 5¢.

These studies were conducted to bring out more clearly the relationships between certain composition factors of lamb and carcass cuts and to develop improved methods for estimating such factors.

Results of treating bovine mastitis with sulfonamides containing urea. W. W. Swett, R. R. Graves, C. A. Matthews, L. A. Burkey, and P. C. Underwood. Bureau of Dairy Industry. 17 p. (T. 946.) Price 10¢.

The purpose of using sulfonamides containing urea was to determine whether or not such preparations would be substantially more effective than sulfanilamide

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or than a combination of sulfanilamide and sulfadiazine in eliminating udder infections. This bulletin gives the results obtained with sulfonamide-urea preparations in the Beltsville herd from August 1943 to October 1944.

OTHER PUBLICATIONS

Farming that fits the land in the Loess-drift hills of northeastern Kansas. [16] p., illus. (PA-35.)

If you live in this area you know that there are several kinds of land. Each kind has its own good and bad points. This booklet tells you the kinds of land and the crops that grow best on them, and how to handle or treat each kind of land so that you can save your soil.

Report of the Administrator of the Commodity Exchange Authority, 1947. J. M. Mehl.

Report of the Chief of the Bureau of Dairy Industry, Agricultural Research Administration, 1947. O. E. Reed. Price 10¢.

Report of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1947. P. N. Annand. Price 20¢.

Report of the Director of Personnel, 1947. T. Roy Reid. Price 5¢.

Report of the Manager of the Federal Crop Insurance Corporation, 1947. G. F. Geissler. Price 15¢.

PERIODICALS

The agricultural situation. Vol. 31, No. 11. November 1947. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.¹

Agriculture in the Americas. Vol. VII, No. 12. December 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.20 a year, foreign.¹

This is the last issue of *Agriculture in the Americas*. The magazine is being combined with *Foreign Agriculture*.

Extension service review. Vol. 18, No. 12. December 1947. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.¹

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Journal of agricultural research. Price \$2.25 a year, domestic; \$3.00 a year, foreign.¹ Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separates, 5¢ domestic; 8¢ foreign.¹ The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 75, Nos. 11 and 12. December 1 and 15, 1947. Illus. Contents:

Population distribution of the beet leafhopper in relation to experimental field-plot lay-out (Key No. K-342). Myles F. Bowen.

Effects of certain soil fungi and their byproducts on *Ophiobolus graminis* (Key No. G-1386.) C. M. Slagg and Hurley Fellows.

The effect of short photoperiod on sorghum varieties and first generation hybrids (Key No. Tex.-26). J. R. Quinby and R. E. Karper.

Irregularities in a hybrid between *Triticum durum* and *T. persicum* (Key No. G-1387). Luther Smith.

News for farmer cooperatives. Vol. 14, No. 9. December 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.¹

Rural electrification news. Vol. 13, Nos. 5 and 6. December 1947-January 1948. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.¹

Soil conservation. Vol. XIII, No. 5. December 1947. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.¹

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SOMETHING YOU DIDN'T EAT. 1 reel, 16 mm., sound, in color, released 1945. Running time, 9 minutes.

This is a Walt Disney animation that combines entertainment with instruction in the seven food groups vital to health. It includes flash backs to the discoveries that the lack of citrus fruit vitamin caused scurvy on ships and that the hulls removed from polished rice took away beri-beri preventive. It also points out that seven out of ten Americans today have weak links in their diets. Emphasis is made on diet selection from the food groups to insure sufficient supply of the essential nutrients. (Not for sale.)

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